

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Darrel L. Turner
Date Filed: September 21, 1995
App. No.: 08/532,046
For: HIGH HARDNESS BORON STEEL
ROTARY BLADE

Date:
Docket No. FISHBAR-5
Art Unit: 3501
Examiner: T. MELIUS

RECEIVED
AUG 12 1997
GROUP 3500

AFFIDAVIT OF RICHARD L. WILKEY

Richard L. Wilkey, having first been duly sworn, hereby states as follows:

1. I am president of Fisher-Barton Inc., the assignee of U.S. patent application No. 08/532,046.
2. I am a metallurgical engineer and I have been involved in the design, sale and manufacture of rotary cutting blades for original equipment manufacturers for over 27 years.
3. Prior to the invention by Darrel Turner of the process for producing a rotary cutting blade of the Application, customers of Fisher-Barton Inc. had frequently requested blades that would last longer, be harder, and more durable. Making them harder, more durable, had the undesirable effect of reducing the impact strength, causing the blade to fail in a brittle mode with safety consequences to the user. Blades above 45 Rockwell C were considered to be above the safety zone of the blade manufacturing industry.

Richard L. Wilkey

Richard L. Wilkey

Subscribed and sworn to before me

this 22nd day July, 1997.

Christine S. Gutzdorf

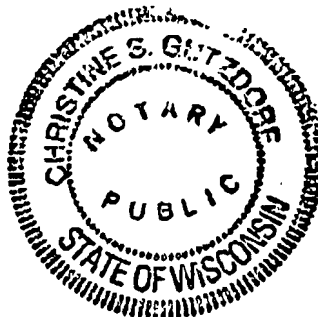
Christine S. Gutzdorf

Notary Public, _____

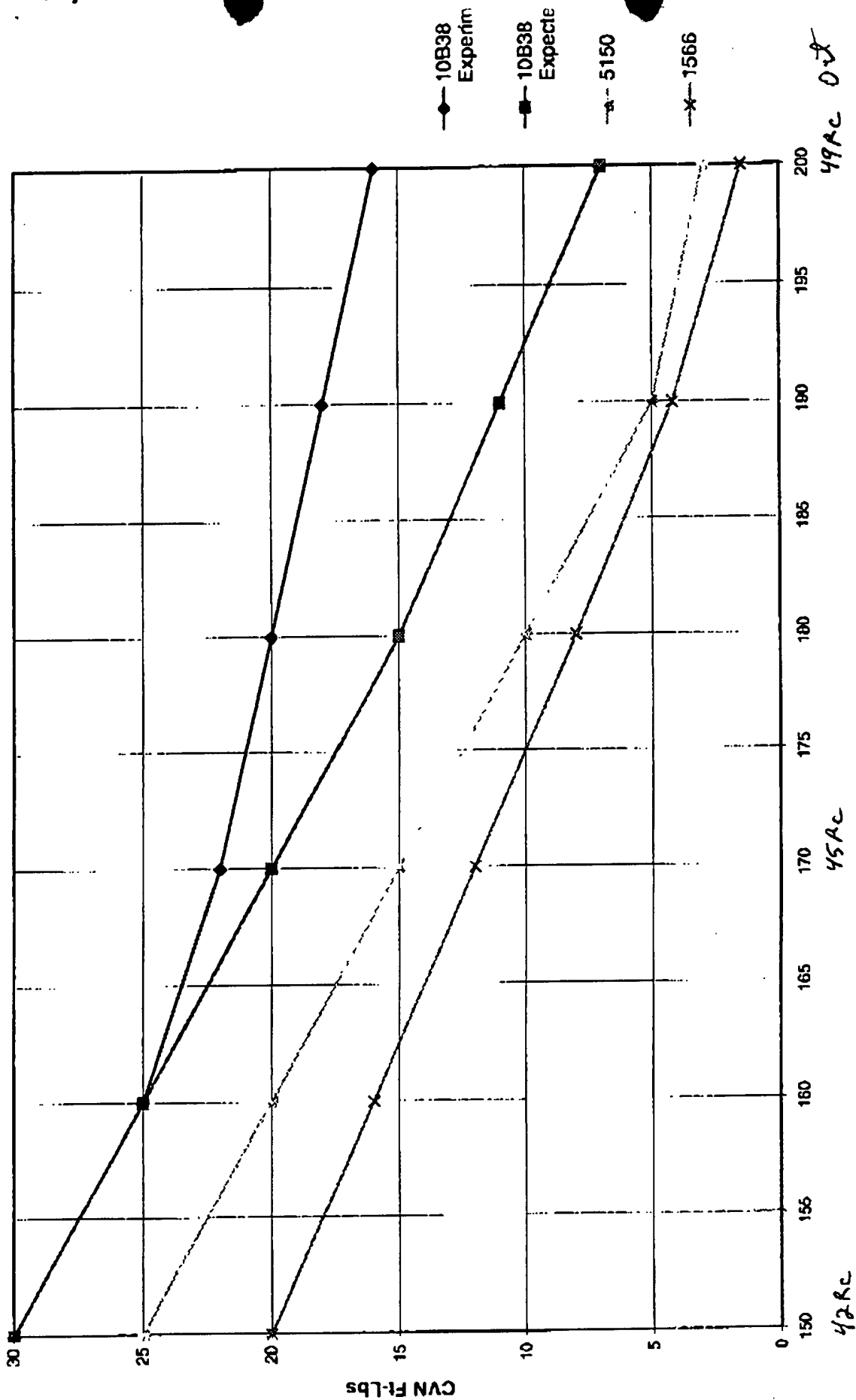
County of Jefferson

State of WI

My Commission expires 10-22-2000



Comparison of Charpy V-Notch (CVN) Toughness for Blade Materials



Yield Strength KSI (1000 Lbs Per Square Inch)
HARDNESS (ROCKWELL C)